

PRICELIST COVER PAGE

INFORMATION TECHNOLOGY SCHEDULE PRICELIST GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT, SOFTWARE AND SERVICES

Special Item No. 132-33 Perpetual Software Licenses
Special Item No. 132-34 Maintenance of Software as a Service
Special Item No. 132-51 Information Technology Professional Services

Note: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

SPECIAL ITEM NUMBER 132-33 - PERPETUAL SOFTWARE LICENSES

FSC CLASS 7030 - INFORMATION TECHNOLOGY SOFTWARE Large Scale Computers
Microcomputers

SPECIAL ITEM NUMBER 132-34 - MAINTENANCE OF SOFTWARE AS A SERVICE

SPECIAL ITEM NUMBER 132-51 - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

FPDS Code D307	Automated Information Systems Design and Integration Services
FPDS Code D308	Programming Services
FPDS Code D399	Other Information Technology Services, Not Elsewhere Classified

2d3 Incorporated, dba 2d3 Sensing
4199 Campus Drive, Suite 620
Irvine, California, 92612

Contract Number: GS-35F-0092X
Period Covered by Contract:
19 Nov 2010 through 18 Nov 2015

t. 949.540.0740
www.2d3sensing.com

General Services Administration
Federal Acquisition Service

Pricelist current via Modification # 009, dated 20 March 2013.

Products and ordering information in this Authorized Information Technology Schedule Pricelist are also available on the GSA Advantage! System (<http://www.gsaaadvantage.gov>).

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INFORMATION FOR ORDERING ACTIVITIES APPLICABLE TO ALL SPECIAL ITEM NUMBERS

SPECIAL NOTICE TO AGENCIES: Small Business Participation

SBA strongly supports the participation of small business concerns in the Federal Acquisition Service. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micropurchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!™ on-line shopping service (www.gsaadvantage.gov). The catalogs/pricelists, GSA Advantage!™ and the Federal Acquisition Service Home Page (www.gsa.gov/fas) contain information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

For orders exceeding the micropurchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

1. GEOGRAPHIC SCOPE OF CONTRACT:

Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

Offerors are requested to check one of the following boxes:

- ☐ The Geographic Scope of Contract will be domestic and overseas delivery.
- ☐ The Geographic Scope of Contract will be overseas delivery only.
- ☒ The Geographic Scope of Contract will be domestic delivery only.

For Special Item Number 132-53 Wireless Services ONLY, if awarded, list the limited geographic coverage area: **N/A**

2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION:

**2d3 Incorporated
4199 Campus Drive, Suite 620
Irvine, CA 92612**

Contractor must accept the credit card for payments equal to or less than the micro-purchase for oral or written orders under this contract. The Contractor and the ordering agency may agree to use the credit card for dollar amounts over the micro-purchase threshold (See GSAR 552.232-79 Payment by Credit Card). In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number(s) can be used by ordering activities to obtain technical and/or ordering assistance: **(949) 540-0740**.

3. LIABILITY FOR INJURY OR DAMAGE

The Contractor shall not be liable for any injury to ordering activity personnel or damage to ordering activity property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

4. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279:

Block 9: G. Order/Modification Under Federal Schedule
 Block 16: Data Universal Numbering System (DUNS) Number: **809027670**
 Block 30: Type of Contractor - **Large**
 Block 31: Woman-Owned Small Business - **No**
 Block 36: Contractor's Taxpayer Identification Number (TIN): **26-0576675**
 4a. CAGE Code: **4ZDZ6**
 4b. Contractor **has** registered with the Central Contractor Registration Database.

5. FOB DESTINATION

6. DELIVERY SCHEDULE

- a. TIME OF DELIVERY: The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:

SPECIAL ITEM NUMBER	DELIVERY TIME (Days ARO)
132-33	30 Days ARO
132-34	30 Days ARO
132-51	30 Days ARO

Expedited Delivery:

132-33	10 Days ARO
132-34	10 Days ARO
132-51	10 Days ARO

- b. URGENT REQUIREMENTS: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering activity, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

i. SIN 132-54 and SIN 132-55, ACCELERATED SERVICE DELIVERY (7 calendar days or less): the time required for COMSATCOM services to be available after order award. Under Accelerated Service Task Orders, service acceptance testing, unless otherwise required by the satellite provider or host nation, shall be deferred until Ordering Activity operations permit.

ii. SIN 132-54 and SIN 132-55, TIME-CRITICAL DELIVERY (4 hours or less): the time required for COMSATCOM services to be available after order award. Under Time-Critical Task Orders, service acceptance testing unless otherwise required by the satellite provider or host nation shall be deferred until Ordering Activity operations permit. Time-Critical Delivery shall be predicated on the availability of COMSATCOM transponded capacity (contracted bandwidth and power, pre-arranged Host Nation Agreements, frequency clearance) or COMSATCOM subscription services (bandwidth, terminals, network resources, etc.).

iii. For SIN 132-54 and SIN 132-55, EXTENDED SERVICE DELIVERY TIMES: the time required

under extenuating circumstances for COMSATCOM services to be available after order award. Such extenuating circumstances may include extended time required for host nation agreements or landing rights, or other time intensive service delivery requirements as defined in the individual requirement. Any such extended delivery times will be negotiated between the Ordering Activity and Contractor.

7. DISCOUNTS: Prices shown are NET Prices; Basic Discounts have been deducted.

- a. Prompt Payment: **0 % net 30 days** from receipt of invoice or date of acceptance, whichever is later.
- b. Quantity
- c. Dollar Volume: **Additional 1% discount on a single order of \$100,000+ for SIN 132-51**
- d. Government Educational Institutions
- e. Other

8. TRADE AGREEMENTS ACT OF 1979, as amended:

All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

9. STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING:

10. SMALL REQUIREMENTS: The minimum dollar value of orders to be issued is **\$100**.

11. MAXIMUM ORDER (All dollar amounts are exclusive of any discount for prompt payment.)

- a. The Maximum Order value for the following Special Item Numbers (SINs) is \$500,000:

Special Item Number 132-33 - Perpetual Software Licenses

Special Item Number 132-34 - Maintenance of Software as a Service

Special Item Number 132-51 - Information Technology Professional Services

12. ORDERING PROCEDURES FOR FEDERAL SUPPLY SCHEDULE CONTRACTS

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
- b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

13. FEDERAL INFORMATION TECHNOLOGY/TELECOMMUNICATION STANDARDS REQUIREMENTS

Ordering activities acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDs), which are cited by ordering activities, shall be responded to promptly by the Contractor.

13.1 FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS (FIPS PUBS):

Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning

their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

13.2 FEDERAL TELECOMMUNICATION STANDARDS (FED-STDS): Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDS should be obtained from the GSA, Federal Acquisition Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202)619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301)975-2833.

14. CONTRACTOR TASKS / SPECIAL REQUIREMENTS (C-FSS-370) (NOV 2003)

- (a) Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.
- (b) Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. Travel in performance of a task order will only be reimbursable to the extent authorized by the ordering agency. The Industrial Funding Fee does NOT apply to travel and per diem charges.
- (c) Certifications, Licenses and Accreditations: As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/ possessing such certifications, licenses and accreditations should be factored into the price offered under the Multiple Award Schedule program.
- (d) Insurance: As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.
- (e) Personnel: The Contractor may be required to provide key personnel, resumes or skill category descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.
- (f) Organizational Conflicts of Interest: Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.
- (g) Documentation/Standards: The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards and documentation as specified by the agency's order.
- (h) Data/Deliverable Requirements: Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.
- (i) Government-Furnished Property: As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.
- (j) Availability of Funds: Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any

option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.

- (k) Overtime: For professional services, the labor rates in the Schedule should not vary by virtue of the Contractor having worked overtime. For services applicable to the Service Contract Act (as identified in the Schedule), the labor rates in the Schedule will vary as governed by labor laws (usually assessed a time and a half of the labor rate).

15. CONTRACT ADMINISTRATION FOR ORDERING ACTIVITIES

Any ordering activity, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (l) Termination for the ordering activity's convenience, and (m) Termination for Cause (See 52.212-4)

16. GSA ADVANTAGE!

GSA Advantage! is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. GSA Advantage! will allow the user to perform various searches across all contracts including, but not limited to:

- (1) Manufacturer;
- (2) Manufacturer's Part Number; and
- (3) Product categories.

Agencies can browse GSA Advantage! by accessing the Internet World Wide Web utilizing a browser (ex.: NetScape). The Internet address is <http://www.gsaadvantage.gov>

17. PURCHASE OF OPEN MARKET ITEMS

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. ODCs (Other Direct Costs) are not part of this contract and should be treated as open market purchases. Ordering Activities procuring open market items must follow FAR 8.402(f).

For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if**-

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

18. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS

- a. For the purpose of this contract, commitments, warranties and representations include, in addition to those agreed to for the entire schedule contract:
 - (1) Time of delivery/installation quotations for individual orders;
 - (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/ service/software package submitted in response to requirements which result in orders under this schedule contract.
 - (3) Any representations and/or warranties concerning the products made in any literature,

- description, drawings and/or specifications furnished by the Contractor.
- b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

19. OVERSEAS ACTIVITIES

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below: **N/A**

Upon request of the Contractor, the ordering activity may provide the Contractor with logistics support, as available, in accordance with all applicable ordering activity regulations. Such ordering activity support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

20. BLANKET PURCHASE AGREEMENTS (BPAs)

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

21. CONTRACTOR TEAM ARRANGEMENTS

Contractors participating in contractor team arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with Clauses 552.238-74, Industrial Funding Fee and Sales Reporting, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

22. INSTALLATION, DEINSTALLATION, REINSTALLATION

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall receive less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8 or 132-9.

23. SECTION 508 COMPLIANCE.

If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following: www.2d3sensing.com

The EIT standard can be found at: www.Section508.gov/.

24. PRIME CONTRACTOR ORDERING FROM FEDERAL SUPPLY SCHEDULES.

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall follow the terms of the applicable schedule and authorization and include with each order –

(a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and

(b) The following statement:

This order is placed under written authorization from _____ dated _____. In the event of any inconsistency between the terms and conditions of this order and those of your Federal Supply Schedule contract, the latter will govern.

25. INSURANCE—WORK ON A GOVERNMENT INSTALLATION (JAN 1997)(FAR 52.228-5)

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.

(b) Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—

(1) For such period as the laws of the State in which this contract is to be performed prescribe;

or

(2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

26. SOFTWARE INTEROPERABILITY.

Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

27. ADVANCE PAYMENTS

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)

TERMS AND CONDITIONS APPLICABLE TO PERPETUAL SOFTWARE LICENSES (SPECIAL ITEM NUMBER 132-33) AND MAINTENANCE AS A SERVICE (SPECIAL ITEM NUMBER 132-34) OF GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY SOFTWARE

1. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post acceptance rights:

- (1) within a reasonable time after the defect was discovered or should have been discovered;
and
- (2) before any substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

2. GUARANTEE/WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.
 - (1) 2d3 Sensing warrants (unless such warranty is expressly excluded in writing) that the Goods shall be free from defect in materials and workmanship under normal conditions of use and service for a period of 12 months from the date of the Installation Certificate or, if Installation has not commenced within a period of 30 days following delivery of the Goods as a result of a request by the Customer to delay such Installation or because the Customer is for any reason not ready to have the Goods installed, from the date falling 30 days after delivery of the Goods to the Customer. 2d3 Sensing will at its option either repair or replace (without charge) any part found to be defective during that period or (upon return of the Goods and the Software) refund the Price to the Customer.
 - (2) THE WARRANTY CONTAINED IN CLAUSE 13(A) SUPERSEDES AND REPLACES (TO THE FULLEST EXTENT PERMITTED BY LAW) ALL OTHER TERMS, CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED AND WHETHER ARISING BY STATUTE OR OTHERWISE RELATING TO THE CAPACITY, QUALITY, SATISFACTORY NATURE, DESCRIPTION, STATE OR CONDITION OF THE GOODS OR TO THEIR MERCHANTABILITY OR SUITABILITY FOR THE PARTICULAR OR ANY PURPOSE FOR WHICH THEY ARE OR MAY BE REQUIRED.
 - (3) In the event that a defect in the Goods requiring remedy by 2d3 Sensing pursuant to the warranty contained in clause 13(a) shall become apparent to the Customer the Customer shall notify 2d3 Sensing in writing within 3 days of the Customer becoming aware of such defect. Failure to do so shall void any warranties related to the Goods.
 - (4) If 2d3 Sensing shall so request the Customer shall at the expense of the Customer be

responsible for returning the Goods to the premises of 2d3 Sensing with a full description of the alleged defect.

- (5) The liability of 2d3 Sensing in respect of any defect under this warranty shall cease if the Customer shall take any action in respect thereof except in accordance with the express instructions of 2d3 Sensing but shall not in any event exceed an amount equal to the Price.
- (6) The judgment of 2d3 Sensing as to the alleged existence of causes and the appropriate remedy shall be final.
- (7) All parts of the Goods which have been replaced shall (if not still owned by 2d3 Sensing pursuant to clause 8) become the property of 2d3 Sensing.
- (8) If 2d3 Sensing carries out any repair or replacement to the Goods and/or the Software within the warranty period specified in clause 13(a) but in circumstances where the relevant malfunction has been caused by an accident or by the improper or abnormal use of the Goods by the Customer, the Customer shall pay for such repair or replacement at 2d3 Sensing's then current rates.
- (9) The applicable warranties (and associated limitations) relating to the Software are exclusively set out in the Software License.

- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

3. TECHNICAL SERVICES

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number **(949) 540-0740** for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available from **11am to 8pm EST Monday through Friday**

4. SOFTWARE MAINTENANCE

Software Maintenance as a Product (SIN 132-32 or SIN 132-33)

Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no-charge support included in the purchase price of the product in the commercial marketplace. No-charge support includes items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self-diagnostics.

Software maintenance as a product does NOT include the creation, design, implementation, integration, etc. of a software package. These examples are considered software maintenance as a service.

Software Maintenance as a product is billed at the time of purchase, and according to the SKU#'s provided in the price list. A software maintenance SKU is provided for each software product SKU.

5. PERIODS OF TERM LICENSES (SIN 132-32) AND MAINTENANCE (SIN 132-34)

- a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.
- b. Term licenses and/or maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice to the Contractor.

- c. Annual Funding. When annually appropriated funds are cited on an order for term licenses and/or maintenance, the period of the term licenses and/or maintenance shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of the term licenses and/or maintenance orders citing the new appropriation shall be required, if the term licenses and/or maintenance is to be continued during any remainder of the contract period.
- d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order, if the term licenses and/or maintenance is to be terminated at that time. Orders for the continuation of term licenses and/or maintenance will be required if the term licenses and/or maintenance is to be continued during the subsequent period.

6. CONVERSION FROM TERM LICENSE TO PERPETUAL LICENSE

- a. The ordering activity may convert term licenses to perpetual licenses for any or all software at any time following acceptance of software. At the request of the ordering activity the Contractor shall furnish, within ten (10) calendar days, for each software product that is contemplated for conversion, the total amount of conversion credits which have accrued while the software was on a term license and the date of the last update or enhancement.
- b. Conversion credits which are provided shall, within the limits specified, continue to accrue from one contract period to the next, provided the software remains on a term license within the ordering activity.
- c. The term license for each software product shall be discontinued on the day immediately preceding the effective date of conversion from a term license to a perpetual license.
- d. The price the ordering activity shall pay will be the perpetual license price that prevailed at the time such software was initially ordered under a term license, or the perpetual license price prevailing at the time of conversion from a term license to a perpetual license, whichever is the less, minus an amount equal to **N/A** % of all term license payments during the period that the software was under a term license within the ordering activity.

7. TERM LICENSE CESSATION

- a. After a software product has been on a continuous term license for a period of **N/A** * months, a fully paid-up, non-exclusive, perpetual license for the software product shall automatically accrue to the ordering activity. The period of continuous term license for automatic accrual of a fully paid-up perpetual license does not have to be achieved during a particular fiscal year; it is a written Contractor commitment which continues to be available for software that is initially ordered under this contract, until a fully paid-up perpetual license accrues to the ordering activity. However, should the term license of the software be discontinued before the specified period of the continuous term license has been satisfied, the perpetual license accrual shall be forfeited.
- b. The Contractor agrees to provide updates and maintenance service for the software after a perpetual license has accrued, at the prices and terms of Special Item Number I32-34, if the licensee elects to order such services. Title to the software shall remain with the Contractor.

8. UTILIZATION LIMITATIONS - (SIN 132-32, SIN 132-33, AND SIN 132-34)

- a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.
- b. When acquired by the ordering activity, commercial computer software and related documentation so legend shall be subject to the following:
 - (1) Title to and ownership of the software and documentation shall remain with the Contractor, unless otherwise specified.
 - (2) Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level or independent ordering activity. The software may be used by any

subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect the Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user ordering activity's permitted use of the computer programs and documentation. For purposes of this section, all such permitted third parties shall be deemed agents of the user ordering activity.

- (3) Except as is provided in paragraph 8.b(2) above, the ordering activity shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of the Contractor. Third parties do not include prime Contractors, subcontractors and agents of the ordering activity who have the ordering activity's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.
- (4) The ordering activity shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of Disaster Recovery, the ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.
- (5) "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

9. SOFTWARE CONVERSIONS - (SIN 132-32 AND SIN 132-33)

Full monetary credit will be allowed to the ordering activity when conversion from one version of the software to another is made as the result of a change in operating system, or from one computer system to another. Under a perpetual license (132-33), the purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version. Under a term license (132-32), conversion credits which accrued while the earlier version was under a term license shall carry forward and remain available as conversion credits which may be applied towards the perpetual license price of the new version.

10. DESCRIPTIONS AND EQUIPMENT COMPATIBILITY

The Contractor shall include, in the schedule pricelist, a complete description of each software product and a list of equipment on which the software can be used. Also, included shall be a brief, introductory explanation of the modules and documentation which are offered.

11. RIGHT-TO-COPY PRICING

Not applicable

GSA Pricelist – Products – SIN 132-33

Effective 20 March 2013

NOTE: Unless otherwise noted in the “Per” column, our pricing model is per 2 sockets and 50% of base per each additional socket. Please see our online product descriptions for each software product family.

Part Number	Part Name	Version	Description	Commercial Price	GSA Price	GSA Price (w/ IFF)	per
CORE SOFTWARE PRODUCTS							
SDK-TG-SDK	Tungsten SDK	3.x	The Tungsten SDK is 2d3 Sensing software development kit for developing standards compliant motion imagery software products. It is a suite of software libraries and APIs that can be used by software developers to construct their own programs for processing, exploiting and disseminating motion imagery data.	\$3,500.00	\$3,395.00	\$3,420.65	Instance
SW-TV-BASE	TacitView Baseline	3.x	TacitView is 2d3 Sensing's PED exploitation client software. In the 3.x architecture for TacitView, the baseline viewer is offered free of charge, and is capable of connecting to and viewing MISB compliant streams and files.	\$0.00	\$0.00	\$0.00	Socket x 2
SW-CT-BASE	Catalina Baseline	3.x	Catalina is a software product that runs as a server for the ingestion, storage, archiving and serving of motion imagery data and related metadata. Catalina also includes a modular, standards based architecture for adding plug-in capabilities to the Catalina system for the realtime and offline processing and exploitation of data. Catalina has an open API allowing it to connect to and be utilized by other client software systems in use today.	\$7,000.00	\$6,790.00	\$6,841.31	Socket x 2
SW-AM	Altimap	1.5	Altimap is a software application that creates large scale, geo-located, mosaicked images from a set of individual high-resolution images automatically, using commercial off the shelf computing devices.	\$7,985.00	\$7,745.45	\$7,803.98	Instance
SOFTWARE BUNDLES							
SB-TV-WORKS	TacitView Workstation GUI Bundle	3.x	The Tactical Bundle for TacitView 3.x includes all of the Analyst bundle, and adds realtime visual enhancements, still-image mosaicking, built in connector for 2d3 Sensing's Catalina product, and the ability to automatically generate intelligence product files as output.	\$20,000.00	\$19,400.00	\$19,546.60	Socket x 2
SB-TV-TACTICAL	TacitView Tactical GUI Bundle	3.x	The Tactical Bundle for TacitView 3.x includes all of the Analyst bundle, and adds support for WAMI exploitation.	\$12,000.00	\$11,640.00	\$11,727.96	Socket x 2
SB-TV-EDIT	TacitView Editor Bundle	3.x	The Editor Bundle for TacitView 3.x adds digital video recording functionality to the Baseline TV viewer.	\$500.00	\$485.00	\$488.66	Socket x 2
SB-TV-ANALYST	TacitView Analyst GUI Bundle	3.x	The Analyst Bundle for TacitView 3.x includes all of the Editor bundle, and adds on-screen image and FMV annotation capabilities, as well as an embedded 3D globe for viewing geospatial data.	\$4,500.00	\$4,365.00	\$4,397.98	Socket x 2
SB-CT-XCODE	Catalina Transcode Server Bundle	3.x	The Transcode Bundle is an add-on capability to Catalina that adds video and metadata transcoding capabilities to the baseline functionality of Catalina. Additionally, it includes the ability to write KML files at 1Hz to a network location for the visualization of feeds and their locations on the earth using Google Earth or other KML compatible viewer. It must be used in conjunction with a Catalina Baseline product, which is included in this price.	\$12,000.00	\$11,640.00	\$11,727.96	Socket x 2
SB-CT-GRND	Catalina Ground Station Server Bundle	3.x	The Ground Station bundle is an add-on capability to Catalina that includes all of the 'Transcode Bundle' capabilities, but adds a geospatial archive and storage with a SOAP API. It must be used in conjunction with a Catalina Baseline product, which is included in this price.	\$30,000.00	\$29,100.00	\$29,319.90	Socket x 2
SB-CT-DIST	Catalina Distributed Server Bundle	3.x	The Distributed Bundle is an add-on capability to Catalina that includes all of the 'Groundstation Bundle' capabilities, but adds database federation, realtime image enhancements, a product DB, and PED workflow connectors. It must be used in conjunction with a Catalina Baseline product, which is included in this price.	\$70,000.00	\$67,900.00	\$68,413.10	Socket x 2
OPTIONAL FEATURES							
OF-TV-RTEN	Visual Enhancements	3.x	A set of realtime imagery enhancements, including super-resolution, stabilization, contrast enhancement, debanding and deblurring.	\$5,000.00	\$4,850.00	\$4,886.65	Socket x 2
OF-TV-PC	Product Creation	3.x	This allows the user to publish 'products' created with TacitView to other tools and locations on the network or local machine.	\$3,000.00	\$2,910.00	\$2,931.99	Socket x 2
OF-TV-MA	Annotation	3.x	Tools to allow the user to annotate motion and still imagery with shapes, arrows, and text.	\$1,000.00	\$970.00	\$977.33	Socket x 2
OF-TV-LA	Local Archive	3.x	This is a stand-alone Catalina instance that is specifically designed and configured to operate as a stand-alone, local archive for TacitView.	\$10,000.00	\$9,700.00	\$9,773.30	Socket x 2
OF-TV-GV	GEOInt Viewer	3.x	A 3D Globe integrated into TacitView for Situational Awareness, search definition and mapping.	\$3,500.00	\$3,395.00	\$3,420.65	Socket x 2
OF-CT-VXC	Video Transcoding	3.x	This component allows the user to transcode the visual media among several media formats and codecs.	\$2,000.00	\$1,940.00	\$1,954.66	Socket x 2
OF-CT-RTEN	Visual Enhancements	3.x	This component provides the user with a number of realtime and offline image enhancement capabilities.	\$25,000.00	\$24,250.00	\$24,433.25	Socket x 2
OF-CT-OSME	Metadata Editing	3.x	This component provides the user with a method to edit the metadata in a stream or file, including adding, removing or changing pre-existing fields and values.	\$40,000.00	\$38,800.00	\$39,093.20	Socket x 2
OF-CT-MXC	Metadata Transcoding	3.x	This component allows the user to transcode the digital metadata in a stream among several formats.	\$1,500.00	\$1,455.00	\$1,465.99	Socket x 2
OF-CT-GEOS	Geospatial Data Export	3.x	This component allows the user to export data in various geospatial formats.	\$1,500.00	\$1,455.00	\$1,465.99	Socket x 2
OF-CT-FED	Federation	3.x	This component allows Catalina instances to search other Catalina archives for data across the network.	\$15,000.00	\$14,550.00	\$14,659.95	Socket x 2
OF-CT-DIB	DCGS Backbone Connector	3.x	Provides a connector between TacitView and the DCGS backbone (DIB) for the searching and posting of products.	\$15,000.00	\$14,550.00	\$14,659.95	Socket x 2
OF-CT-CA	Catalog and Archive	3.x	This component allows the user to store and retrieve motion imagery, metadata, chat, audio and annotations.	\$18,000.00	\$17,460.00	\$17,591.94	Socket x 2
OF-TV-MDE	Local On-Screen Metadata	3.x	These are features that allow the user to obscure or read on-screen	\$10,000.00	\$9,700.00	\$9,773.30	Socket x 2

OF-TV-AM	Editing Still Image Mosaicking (WBMv2)	3.x	metadata. A mosaicking tool that can mosaic large sets of still image with less than 50% overlap between images.	\$5,000.00	\$4,850.00	\$4,886.65	Socket x 2
OF-TG-VMTID	MISB VMTI Data	3.x	Runtime license for the component that allows for the reading and writing of VMTI metadata.	\$75.00	\$72.75	\$73.30	Socket x 2
OF-TG-ST	Stabilizer	3.x	Tungsten runtime class license for use of the 2d3 sensing stabilization algorithm.	\$695.00	\$674.15	\$679.24	Socket x 2
OF-TG-SSCS	Surge Standalone Client/Server	3.x	Combined server/client classes for streaming and viewing media.	\$695.00	\$674.15	\$679.24	Socket x 2
OF-TG-SSAA	Surge Standalone Annotation	3.x	Runtime licenses for the annotation classes in Tungsten.	\$195.00	\$189.15	\$190.58	Socket x 2
OF-TG-SS	Surge Server	3.x	Runtime licenses for the server classes in Tungsten which enables a user to create a server capable of streaming MISB rich media.	\$7,495.00	\$7,270.15	\$7,325.09	Socket x 2
OF-TG-SR	Super Resolution	3.x	Tungsten runtime class license for use of the 2d3 sensing super resolution algorithm.	\$1,495.00	\$1,450.15	\$1,461.11	Socket x 2
OF-TG-SM	Serial Mosaicker	3.x	Tungsten runtime class license for use of the 2d3 sensing video mosaicking algorithm.	\$695.00	\$674.15	\$679.24	Socket x 2
OF-TG-SIM	Still Image Mosaicking	3.x	Tungsten runtime class license for use of the 2d3 sensing still image mosaicking algorithm.	\$6,995.00	\$6,785.15	\$6,836.42	Socket x 2
OF-TG-SC	Surge Client	3.x	Runtime licenses for the client classes in Tungsten, allowing a user to create a media client which supports MISB metadata.	\$50.00	\$48.50	\$48.87	Socket x 2
OF-TG-SA	Surge Annotation	3.x	Tungsten runtime class that provides handles for working with MISB compliant annotation data.	\$2,195.00	\$2,129.15	\$2,145.24	Socket x 2
OF-TG-RVTD	MISB Remote Video Terminal Data	3.x	Runtime license for the component that allows for the reading and writing of RVT metadata.	\$75.00	\$72.75	\$73.30	Socket x 2
OF-TG-RTSPS	RTSP Server	3.x	Runtime license for the Tungsten RTSP server components.	\$2,195.00	\$2,129.15	\$2,145.24	Socket x 2
OF-TG-RTSPC	RTSP Client	3.x	Runtime license for the Tungsten RTSP client components.	\$95.00	\$92.15	\$92.85	Socket x 2
OF-TG-RTPS	RTP Sender	3.x	Runtime license for the Tungsten RTP server components.	\$295.00	\$286.15	\$288.31	Socket x 2
OF-TG-RTPR	RTP Receiver	3.x	Runtime license for the Tungsten RTP client components.	\$30.00	\$29.10	\$29.32	Socket x 2
OF-TG-PRES	MISB Predator ESD	3.x	Runtime license for the component that allows for the reading and writing of Predator ESD metadata.	\$50.00	\$48.50	\$48.87	Socket x 2
OF-TG-PREM	MISB Predator Metadata	3.x	Runtime license for the component that allows for the reading and writing of Predator metadata.	\$65.00	\$63.05	\$63.53	Socket x 2
OF-TG-OT	Object Tracker	3.x	Runtime license for the object tracking capability in Tungsten.	\$995.00	\$965.15	\$972.44	Socket x 2
OF-TG-OD	Overlay Detector	3.x	Tungsten runtime class license for the overlay detection algorithm.	\$995.00	\$965.15	\$972.44	Socket x 2
OF-TG-OCR	Optical Character Recognition Engine	3.x	Runtime licenses for the realtime optical character recognition engine in Tungsten, which is capable of reading on-screen metadata and converting it to MISB compliant metadata.	\$29,995.00	\$29,095.15	\$29,315.01	Socket x 2
OF-TG-NITF	NITF	3.x	Runtime license to allow the user to generate NITF files from with Tungsten.	\$195.00	\$189.15	\$190.58	Socket x 2
OF-TG-MUDM	MISB UAS Datalink Metadata	3.x	Runtime license for the component that allows for the reading and writing of UAS downlink metadata.	\$75.00	\$72.75	\$73.30	Socket x 2
OF-TG-MSM	MISB Security Metadata	3.x	Runtime license for the component that allows for the reading and writing of security metadata.	\$65.00	\$63.05	\$63.53	Socket x 2
OF-TG-MS	Motion Segmenter	3.x	Runtime component license for the algorithm that detects motion in a scene.	\$2,495.00	\$2,420.15	\$2,438.44	Socket x 2
OF-TG-MMII	MISB Motion Imagery Identifier	3.x	Runtime license for the component that allows for the reading and writing of Motion Imagery ID metadata.	\$25.00	\$24.25	\$24.43	Socket x 2
OF-TG-MISB	MISB Toolkit	3.x	Runtime license for the component that contains a variety of convenient classes for working with MISB compliant metadata.	\$595.00	\$577.15	\$581.51	Socket x 2
OF-TG-MATM	MISB Ancillary Text Metadata	3.x	Runtime license for the component that allows for the reading and writing of text metadata.	\$50.00	\$48.50	\$48.87	Socket x 2
OF-TG-MANM	MISB Annotation Metadata	3.x	Runtime license for the component that allows for the reading and writing of annotation metadata.	\$150.00	\$145.50	\$146.60	Socket x 2
OF-TG-M4VE	MainConcept MPEG-4 Video Encoder	3.x	Runtime license for the component that encodes MPEG-4 imagery.	\$495.00	\$480.15	\$483.78	Socket x 2
OF-TG-M4VD	MainConcept MPEG-4 Video Decoder	3.x	Runtime license for the component that decodes MPEG-4 imagery.	\$25.00	\$24.25	\$24.43	Socket x 2
OF-TG-M2VE	MainConcept MPEG-2 Video Encoder	3.x	Runtime license for the component that encodes MPEG-2 imagery.	\$495.00	\$480.15	\$483.78	Socket x 2
OF-TG-M2VD	MPEG-2 Video Decoder	3.x	Runtime license for the component used to decode MPEG2 compressed video.	\$25.00	\$24.25	\$24.43	Socket x 2
OF-TG-M2TSE	MPEG-2 Transport Stream Encoder	3.x	Runtime license for the component used to encode MPEG2 transport streams	\$95.00	\$92.15	\$92.85	Socket x 2
OF-TG-M2TSD	MPEG-2 Transport Stream Decoder	3.x	Runtime license for the component used to decode MPEG2 transport streams	\$30.00	\$29.10	\$29.32	Socket x 2
OF-TG-M2PSE	MPEG-2 Program Stream Encoder	3.x	Runtime license for the component used to encode MPEG2 program streams	\$95.00	\$92.15	\$92.85	Socket x 2
OF-TG-M2PSD	MPEG-2 Program Stream Decoder	3.x	Runtime license for the component used to decode MPEG2 program streams	\$30.00	\$29.10	\$29.32	Socket x 2
OF-TG-M2AD	MPEG-2 Audio Decoder	3.x	Runtime license for the component used to decode MPEG2 audio streams	\$15.00	\$14.55	\$14.66	Socket x 2
OF-TG-KLVE	KLV Encoder	3.x	Runtime license for the component that encodes KLV metadata.	\$395.00	\$383.15	\$386.05	Socket x 2
OF-TG-KLVD	KLV Decoder	3.x	Runtime license for the component that decodes KLV metadata.	\$40.00	\$38.80	\$39.09	Socket x 2
OF-TG-JPIP	JPIP Client	3.x	Runtime license for the component that allows for display of JPEG 2000 Interactive Protocol imagery.	\$300.00	\$291.00	\$293.20	Socket x 2
OF-TG-J2E	MainConcept JPEG 2000 Encoder	3.x	Runtime license for the component that encodes JPEG 2000 imagery.	\$595.00	\$577.15	\$581.51	Socket x 2
OF-TG-J2D	MainConcept JPEG 2000 Decoder	3.x	Runtime license for the component that decodes JPEG 2000 imagery.	\$100.00	\$97.00	\$97.73	Socket x 2
OF-TG-IR	Image Registrar	3.x	Runtime license for the component that registers imagery for use with Feature Detection.	\$695.00	\$674.15	\$679.24	Socket x 2
OF-TG-H264VE	MainConcept H.264 Video Encoder	3.x	Runtime license for the component that encodes H.264 imagery.	\$895.00	\$868.15	\$874.71	Socket x 2
OF-TG-H264VD	MainConcept H.264 Video Decoder	3.x	Runtime license for the component that decodes H.264 imagery.	\$75.00	\$72.75	\$73.30	Socket x 2
OF-TG-FT	Feature Tracker	3.x	Runtime license for the component that provides functionality to follow defined imagery features.	\$95.00	\$92.15	\$92.85	Socket x 2
OF-TG-FD	Feature Detector	3.x	Runtime license for the component that detects specific, defined imagery features.	\$95.00	\$92.15	\$92.85	Socket x 2
OF-TG-EIA	EIA-708 Decoder	3.x	Runtime license for the component that decodes Electronic Industries Alliance 708 captioning.	\$45.00	\$43.65	\$43.98	Socket x 2

OF-TG-DT	Display Toolkit	3.x	Runtime license for the component that provides users with a base to build display client applications.	\$25.00	\$24.25	\$24.43	Socket x 2
OF-TG-DH	Dehazer	3.x	Runtime license for the component that provides a filter to remove atmospheric haze from motion imagery.	\$195.00	\$189.15	\$190.58	Socket x 2
OF-TG-DB	Debander	3.x	Runtime license for the component that removes horizontal banding from motion imagery.	\$195.00	\$189.15	\$190.58	Socket x 2
OF-TG-COTE	Cursor on Target Encoder	3.x	Runtime license for the component that is used to encode Cursor on Target metadata.	\$250.00	\$242.50	\$244.33	Socket x 2
OF-TG-COTD	Cursor on Target Decoder	3.x	Runtime license for the component that is used to decode Cursor on Target metadata.	\$150.00	\$145.50	\$146.60	Socket x 2
OF-TG-CE	Color Enhancer	3.x	Runtime license for the component that uses existing color information to improve color clarity.	\$195.00	\$189.15	\$190.58	Socket x 2
OF-TG-AACD	MainConcept AAC Decoder	3.x	Runtime license for the component that decodes AAC audio.	\$15.00	\$14.55	\$14.66	Socket x 2
OF-TG-4C	Four Corners	3.x	Runtime license for the component that calculates geospatial data of the center field of vision and the four corners of a given frame in a set of imagery.	\$125.00	\$121.25	\$122.17	Socket x 2
OF-CT-RTG	Reticle TGT (includes Reticle RT)	3.x	Reticle TGT includes the capabilities of Reticle RT, but also allows the user to select a specific point in the imagery to compute that point's geo-coordinates, along with a calculated value for the uncertainty of that point.	\$100,000.00	\$97,000.00	\$97,733.00	Socket x 2
OF-CT-RRT	Reticle RT (includes Reticle MO)	3.x	Reticle RT includes the capabilities of Reticle MO but also adds to use of a reference digital elevation model and reference imagery to more accurately improve the metadata in the feed or file.	\$40,000.00	\$38,800.00	\$39,093.20	Socket x 2
OF-CT-RMO	Reticle MO	3.x	Reticle MO is a metadata optimizer that uses constraints in the imagery to remove outlying metadata samples, and normalize the frequency and density of metadata in an FMV feed or file.	\$8,000.00	\$7,760.00	\$7,818.64	Socket x 2
OF-CT-OCR	On-Screen OCR	3.x	This is the Catalina engine that reads the on-screen metadata text and converts it into digital metadata that can be stored in the database or muxed into the stream or file.	\$25,000.00	\$24,250.00	\$24,433.25	Socket x 2
OF-CT-MRE	On-Screen Metadata Redacting	3.x	This component provides the capability to 'overpaint' or obscure any on-screen, burned in metadata.	\$10,000.00	\$9,700.00	\$9,773.30	Socket x 2
OF-CT-MIE	On-Screen Metadata Inpainting	3.x	This component provides the capability to 'in-paint' or obscure any on-screen, burned-in metadata using background pixels giving the impression that there was never any on-screen metadata.	\$15,000.00	\$14,550.00	\$14,659.95	Socket x 2
OF-CT-MA	Annotation	3.x	Tools to allow the user to annotate motion and still imagery with shapes, arrows, and text.	\$5,000.00	\$4,850.00	\$4,886.65	Socket x 2
OF-CT-M2M	Video Mosaicking	3.x	This component allows Catalina instances to create mosaicked images from video feeds and files.	\$15,000.00	\$14,550.00	\$14,659.95	Socket x 2

PRODUCT MAINTENANCE

MN-TG-SDK	Tungsten SDK	3.x	Annual product maintenance.	\$875.00	\$848.75	\$855.16	Annual / instance
MN-TV-WORKS	Workstation GUI Bundle	3.x	Annual product maintenance.	\$5,000.00	\$4,850.00	\$4,886.65	Annual / socket pair
MN-TV-TACTICAL	Tactical GUI Bundle	3.x	Annual product maintenance.	\$3,000.00	\$2,910.00	\$2,931.99	Annual / socket pair
MN-TV-RTEN	Visual Enhancements	3.x	Annual product maintenance.	\$1,250.00	\$1,212.50	\$1,221.66	Annual / socket pair
MN-TV-PC	Product Creation	3.x	Annual product maintenance.	\$750.00	\$727.50	\$733.00	Annual / socket pair
MN-TV-MDE	Local On-Screen Metadata Editing	3.x	Annual product maintenance.	\$2,500.00	\$2,425.00	\$2,443.32	Annual / socket pair
MN-TV-MA	Annotation	3.x	Annual product maintenance.	\$250.00	\$242.50	\$244.33	Annual / socket pair
MN-TV-LA	Local Archive	3.x	Annual product maintenance.	\$2,500.00	\$2,425.00	\$2,443.32	Annual / socket pair
MN-TV-GV	GEOInt Viewer	3.x	Annual product maintenance.	\$875.00	\$848.75	\$855.16	Annual / socket pair
MN-TV-EDIT	Editor Bundle	3.x	Annual product maintenance.	\$125.00	\$121.25	\$122.17	Annual / socket pair
MN-TV-ANALYST	Analyst GUI Bundle	3.x	Annual product maintenance.	\$1,125.00	\$1,091.25	\$1,099.50	Annual / socket pair
MN-TV-AM	Still Image Mosaicking (WBMv2)	3.x	Annual product maintenance.	\$1,250.00	\$1,212.50	\$1,221.66	Annual / socket pair
MN-TV	TacitView Baseline	3.x	Annual product maintenance.	\$0.00	\$0.00	\$0.00	Annual / socket pair
MN-CT-XCODE	Transcode Server Bundle	3.x	Annual product maintenance.	\$3,000.00	\$2,910.00	\$2,931.99	Annual / socket pair
MN-CT-VXC	Video Transcoding	3.x	Annual product maintenance.	\$500.00	\$485.00	\$488.66	Annual / socket pair
MN-CT-RTG	Reticle TGT (includes Reticle RT)	3.x	Annual product maintenance.	\$25,000.00	\$24,250.00	\$24,433.25	Annual / socket pair
MN-CT-RTEN	Visual Enhancements	3.x	Annual product maintenance.	\$6,250.00	\$6,062.50	\$6,108.31	Annual / socket pair
MN-CT-RRT	Reticle RT (includes Reticle MO)	3.x	Annual product maintenance.	\$10,000.00	\$9,700.00	\$9,773.30	Annual / socket pair
MN-CT-RMO	Reticle MO	3.x	Annual product maintenance.	\$2,000.00	\$1,940.00	\$1,954.66	Annual / socket pair
MN-CT-OSME	On-Screen Metadata Editing	3.x	Annual product maintenance.	\$10,000.00	\$9,700.00	\$9,773.30	Annual / socket pair
MN-CT-OCR	On-Screen OCR	3.x	Annual product maintenance.	\$6,250.00	\$6,062.50	\$6,108.31	Annual / socket pair
MN-CT-MXC	Metadata Transcoding	3.x	Annual product maintenance.	\$375.00	\$363.75	\$366.50	Annual / socket pair
MN-CT-MRE	On-Screen Metadata Redacting	3.x	Annual product maintenance.	\$2,500.00	\$2,425.00	\$2,443.32	Annual / socket pair
MN-CT-MIE	On-Screen Metadata Inpainting	3.x	Annual product maintenance.	\$3,750.00	\$3,637.50	\$3,664.99	Annual / socket pair
MN-CT-MA	Annotation	3.x	Annual product maintenance.	\$1,250.00	\$1,212.50	\$1,221.66	Annual / socket pair
MN-CT-M2M	Video Mosaicking	3.x	Annual product maintenance.	\$3,750.00	\$3,637.50	\$3,664.99	Annual / socket pair
MN-CT-GRND	Ground Station Server Bundle	3.x	Annual product maintenance.	\$7,500.00	\$7,275.00	\$7,329.97	Annual / socket pair
MN-CT-GEOX	Geospatial Data Export	3.x	Annual product maintenance.	\$375.00	\$363.75	\$366.50	Annual / socket pair
MN-CT-FED	Federation	3.x	Annual product maintenance.	\$3,750.00	\$3,637.50	\$3,664.99	Annual / socket pair
MN-CT-DIST	Distributed Server Bundle	3.x	Annual product maintenance.	\$17,500.00	\$16,975.00	\$17,103.27	Annual / socket pair
MN-CT-DIB	DCGS Backbone Connector	3.x	Annual product maintenance.	\$3,750.00	\$3,637.50	\$3,664.99	Annual / socket pair
MN-CT-CA	Catalog and Archive	3.x	Annual product maintenance.	\$4,500.00	\$4,365.00	\$4,397.98	Annual / socket pair
MN-CT-BASE	Catalina Baseline	3.x	Annual product maintenance.	\$1,750.00	\$1,697.50	\$1,710.33	Annual / socket pair
MN-AM	AltiMap	1.5	Annual product maintenance.	\$1,996.25	\$1,936.36	\$1,950.99	Annual / socket pair

TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 132-51)

1. SCOPE

- a. The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Professional Services within the scope of this Information Technology Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. PERFORMANCE INCENTIVES I-FSS-60 Performance Incentives (April 2000)

- a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.
- b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. PERFORMANCE OF SERVICES

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- d. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

- (a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor

to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- (1) Cancel the stop-work order; or
 - (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- (b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- (c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- (d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

The Inspection of Services-Fixed Price (AUG 1996) (Deviation 1 – May 2003) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection-Time-and-Materials and Labor-Hour (May 2001) (Deviation 1 – May 2003) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

7. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data General, may apply.

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Professional Services.

9. INDEPENDENT CONTRACTOR

All IT Professional Services performed by the Contractor under the terms of this contract shall be as an independent contractor, and not as an agent or employee of the ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

- a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

- b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT/IAM Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order.

For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract.

For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007)

Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition As prescribed in 16.601(e)(3), insert the following provision:

- (a) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
- (b) The Offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The Offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—
 - (1) The Offeror;
 - (2) Subcontractors; and/or
 - (3) Divisions, subsidiaries, or affiliates of the Offeror under a common control.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.
20 March 2013

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

16. DESCRIPTION OF IT/IAM PROFESSIONAL SERVICES AND PRICING

- a. The Contractor shall provide a description of each type of IT/IAM Service offered under Special Item Numbers 132-51 IT Professional Services should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.
- b. Pricing for all IT Professional Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

The following is an example of the manner in which the description of a commercial job title should be presented:

EXAMPLE: Commercial Job Title: System Engineer

Minimum/General Experience: Three (3) years of technical experience which applies to systems analysis and design techniques for complex computer systems. Requires competence in all phases of systems

analysis techniques, concepts and methods; also requires knowledge of available hardware, system software, input/output devices, structure and management practices.

Functional Responsibility: Guides users in formulating requirements, advises alternative approaches, conducts feasibility studies.

Minimum Education: Bachelor's Degree in Computer Science

NOTE: All non-professional labor categories must be incidental to, and used solely to support professional services, and cannot be purchased separately.

c. 2d3 Sensing - Proposed GSA Pricelist - Effective 31 July 2012

1) Firm Fixed Price Contract Labor Prices (2d3 Sensing Site)

Cat#	Labor Category	Commercial Price	GSA Price	GSA w/IFF
1	Program Manager	\$ 211.91	\$ 205.56	\$ 207.11
2	Research and Development Associate I	\$ 97.51	\$ 94.59	\$ 95.30
3	Research and Development Associate II	\$ 121.80	\$ 118.15	\$ 119.04
4	Research and Development Associate III	\$ 146.80	\$ 142.40	\$ 143.47
5	Research and Development Associate IV	\$ 169.93	\$ 164.83	\$ 166.08
6	Research and Development Associate V	\$ 195.20	\$ 189.35	\$ 190.78
7	Research and Development Director	\$ 296.49	\$ 287.60	\$ 289.77
8	Subject Matter Expert I (SME)	\$ 156.83	\$ 152.13	\$ 153.27
9	Subject Matter Expert II (SME)	\$ 176.22	\$ 170.93	\$ 172.22
10	Subject Matter Expert III (SME)	\$ 193.91	\$ 188.10	\$ 189.52
11	Subject Matter Expert IV (SME)	\$ 213.92	\$ 207.50	\$ 209.07
12	Systems Engineer I	\$ 97.51	\$ 94.59	\$ 95.30
13	Systems Engineer II	\$ 121.80	\$ 118.15	\$ 119.04
14	Systems Engineer III	\$ 146.80	\$ 142.40	\$ 143.47
15	Systems Engineer IV	\$ 169.93	\$ 164.83	\$ 166.08
16	Systems Engineer V	\$ 195.20	\$ 189.35	\$ 190.78
17	Systems Engineering Manager	\$ 220.91	\$ 214.29	\$ 215.91
18	Software Engineer I	\$ 93.72	\$ 90.91	\$ 91.60
19	Software Engineer II	\$ 118.86	\$ 115.29	\$ 116.16
20	Software Engineer III	\$ 140.25	\$ 136.04	\$ 137.07
21	Software Engineer IV	\$ 164.99	\$ 160.04	\$ 161.25
22	Software Engineer V	\$ 186.65	\$ 181.05	\$ 182.41
23	Software Engineering Manager	\$ 216.23	\$ 209.74	\$ 211.33
24	Hardware Engineer I	\$ 93.19	\$ 90.39	\$ 91.08
25	Hardware Engineer II	\$ 114.71	\$ 111.27	\$ 112.11
26	Hardware Engineer III	\$ 152.95	\$ 148.36	\$ 149.49
27	Hardware Engineering Manager	\$ 217.13	\$ 210.62	\$ 212.21
28	Test Engineer I	\$ 94.26	\$ 91.43	\$ 92.12
29	Test Engineer II	\$ 107.23	\$ 104.01	\$ 104.80
30	Test Engineer III	\$ 141.05	\$ 136.82	\$ 137.86
31	Electronics Technician I	\$ 63.37	\$ 61.47	\$ 61.94
32	Electronics Technician II	\$ 73.27	\$ 71.07	\$ 71.61
33	System Administrator I	\$ 115.92	\$ 112.44	\$ 113.29
34	System Administrator II	\$ 142.93	\$ 138.64	\$ 139.69
35	System Administrator III	\$ 144.93	\$ 140.58	\$ 141.65
36	Technical Writer	\$ 91.05	\$ 88.32	\$ 88.99
37	Configuration Management Specialist	\$ 99.87	\$ 96.88	\$ 97.61
38	Geospatial Analyst I	\$ 64.58	\$ 62.64	\$ 63.11

39	Geospatial Analyst II	\$ 77.14	\$ 74.83	\$ 75.40
40	Geospatial Analyst III	\$ 93.06	\$ 90.26	\$ 90.95
41	Geospatial Analyst IV	\$ 112.44	\$ 109.07	\$ 109.89
42	Geospatial Applications Engineer I	\$ 82.36	\$ 79.89	\$ 80.49
43	Geospatial Applications Engineer II	\$ 109.63	\$ 106.34	\$ 107.15
44	Geospatial Applications Engineer III	\$ 139.05	\$ 134.88	\$ 135.90
45	Geospatial Applications Engineer IV	\$ 153.22	\$ 148.62	\$ 149.75
46	Network Engineer I	\$ 91.45	\$ 88.71	\$ 89.38
47	Network Engineer II	\$ 115.65	\$ 112.18	\$ 113.03
48	Network Engineer III	\$ 137.71	\$ 133.58	\$ 134.59
49	Chief IT Engineer (CE)	\$ 266.38	\$ 258.39	\$ 260.34
50	Head of Research and Development (VPRD)	\$ 266.38	\$ 258.39	\$ 260.34
51	Program Manager 1 (PGM1)	\$ 215.16	\$ 208.70	\$ 210.28
52	Project Manager 1 (PM1)	\$ 143.44	\$ 139.14	\$ 140.19
53	Senior Software Engineer (SSE1)	\$ 163.93	\$ 159.01	\$ 160.21
54	Senior IT Vision Scientist (SVS1)	\$ 200.81	\$ 194.79	\$ 196.26

2) Labor Category Descriptions

Cat #	Category Name	Category Descriptions	Educational Requirements
1	Program Manager	Coordinates and monitors the scheduling, pricing, and technical performance of company programs. Responsibilities also include aiding in the negotiation of contracts and contractual changes and coordinating preparations of proposals, plans, specifications, and financial conditions of contracts. Develops new business and expands product line. Ensures adherence to master plans and schedules, develops solutions to program problems, and directs work of incumbents assigned to program from various departments. Ensures projects are completed on time and within budget. Acts as advisor to program team regarding projects, tasks, and operations. Requires a bachelor's degree and at least 10 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required. Typically reports to a unit/department head.	Bachelor's degree or equivalent and 10+ years of general experience.
2	Research and Development Associate I	Participates in research and development activities. Utilizes established mathematical and scientific techniques to compile and analyze data. Writes technical reports detailing procedures, outcomes, and observations. Requires a bachelor's degree and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and internship experience
3	Research and Development Associate II	Participates in research and development activities. Utilizes established mathematical and scientific techniques to compile and analyze data. Writes technical reports detailing procedures, outcomes, and observations. Requires a bachelor's degree and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. A certain degree of creativity and latitude is required. Works under general supervision. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent, Master's desired, and 2-4 years of experience
4	Research and Development Associate III	Participates in research and development activities. Utilizes established mathematical and scientific techniques to compile and analyze data. Writes technical reports detailing procedures, outcomes, and observations. Requires a graduate degree and 4-6 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager.	Master's degree or equivalent, Doctorate desired, and 4-6 years of experience
5	Research and Development Associate IV	Participates in research and development activities. Utilizes established mathematical and scientific techniques to compile and analyze data. Writes technical reports detailing procedures, outcomes, and observations. Requires a graduate degree in area of specialty and 6-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department	Doctorate degree or equivalent and 6-8 years of experience

6	Research and Development Associate V	Participates in research and development activities. Utilizes established mathematical and scientific techniques to compile and analyze data. Writes technical reports detailing procedures, outcomes, and observations. Requires a graduate degree in area of specialty and at least 8-10 years of experience in the field or in a related area. Demonstrates expertise in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May provide consultation on complex projects and is considered to be the top level contributor/specialist. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.	Doctorate degree or equivalent and 8-10 years of experience
7	Research and Development Director	Directs and implements an organization's research and development policies, objectives, and initiatives. Ensures research and development activities will maintain an organization's competitive position and profitability. Requires a doctorate degree with at least 15 years of experience in the field. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to top management.	Doctorate degree or equivalent and 15-20 years of experience
8	Subject Matter Expert I (SME)	Researches and analyzes basic and complex issues surrounding the processes and systems of an organization. Makes recommendations surrounding improving processes, efficiency and practices. Simulates and tests process improvements. Communicates changes and may provide training to impacted business units. May require an advanced degree and at least 7 years of direct experience in the field. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to top management.	Bachelor's degree or equivalent and 7+ years of experience in related discipline
9	Subject Matter Expert II (SME)	Researches and analyzes basic and complex issues surrounding the processes and systems of an organization. Makes recommendations surrounding improving processes, efficiency and practices. Simulates and tests process improvements. Communicates changes and may provide training to impacted business units. May require an advanced degree and at least 10 years of direct experience in the field. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to top management.	Bachelor's degree or equivalent and 10+ years of experience in related discipline
10	Subject Matter Expert III (SME)	Researches and analyzes basic and complex issues surrounding the processes and systems of an organization. Makes recommendations surrounding improving processes, efficiency and practices. Simulates and tests process improvements. Communicates changes and may provide training to impacted business units. May require an advanced degree and at least 15 years of direct experience in the field. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to top management.	Bachelor's degree or equivalent and 15+ years of experience in related discipline
11	Subject Matter Expert IV (SME)	Researches and analyzes basic and complex issues surrounding the processes and systems of an organization. Makes recommendations surrounding improving processes, efficiency and practices. Simulates and tests process improvements. Communicates changes and may provide training to impacted business units. May require an advanced degree and at least 20 years of direct experience in the field. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to top management.	Bachelor's degree or equivalent and 20+ years of experience in related discipline

12	Systems Engineer I	Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Typically requires a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 0-2 years of experience in related discipline
13	Systems Engineer II	Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Typically requires a bachelor's degree in area of specialty and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 2-4 years of experience in related discipline
14	Systems Engineer III	Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Typically requires a bachelor's degree in area of specialty and 4-6 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 4-6 years of experience in related discipline
15	Systems Engineer IV	Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Typically requires a bachelor's degree in area of specialty and 6-8 years of experience in the field or in a related area. Familiar with concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. Works under general supervision. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.	Master's degree or equivalent and 6-8 years of experience in related discipline
16	Systems Engineer V	Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Typically requires a bachelor's degree in area of specialty and at least 8-12 years of experience in the field or in a related area. Demonstrates expertise in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May provide consultation on complex projects and is considered to be the top level contributor/specialist. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.	Master's or PhD degree or equivalent and 8-12 years of experience in related discipline
17	Systems Engineering Manager	Manages daily operations in the department responsible for the planning and engineering of an organization's systems infrastructure. Ensures that hardware and/or software are designed and installed in a manner that meets the needs of the organization. Typically requires a bachelor's degree in area of specialty and at least 12-15 years of experience in the field or in a related area. Demonstrates expertise in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a head of a unit/department.	Master's or PhD degree or equivalent and 12-15 years of experience in related discipline

18	Software Engineer I	<p>Designs, modifies, develops, writes and implements software programming applications. Supports and/or installs software applications/operating systems. Participates in the testing process through test review and analysis, test witnessing and certification of software. Requires a bachelor's degree in a related area and 0-2 years of experience in the field or in a related area.</p> <p>Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a manager.</p>	Bachelor's degree or equivalent and 0-2 years of experience in related discipline
19	Software Engineer II	<p>Designs, modifies, develops, writes and implements software programming applications. Supports and/or installs software applications/operating systems. Participates in the testing process through test review and analysis, test witnessing and certification of software. Requires a bachelor's degree in a related area and 2-4 years of experience in the field or in a related area.</p> <p>Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a manager. A certain degree of creativity and latitude is required.</p>	Bachelor's degree or equivalent and 2-4 years of experience in related discipline
20	Software Engineer III	<p>Designs, modifies, develops, writes and implements software programming applications. Supports and/or installs software applications/operating systems. Participates in the testing process through test review and analysis, test witnessing and certification of software. Requires a bachelor's degree in a related area and 4-6 years of experience in the field or in a related area.</p> <p>Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. May lead and direct the work of others. May report directly to a project lead or manager. A wide degree of creativity and latitude is expected.</p>	Bachelor's degree or equivalent and 4-6 years of experience in related discipline
21	Software Engineer IV	<p>Designs, modifies, develops, writes and implements software programming applications. Supports and/or installs software applications/operating systems. Participates in the testing process through test review and analysis, test witnessing and certification of software. Designs, plans, and coordinates work teams. Provides technical support to project team members. Requires a bachelor's degree in a related area and 6-8 years of experience in the field.</p> <p>Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a head of a unit/department.</p>	Master degree or equivalent and 6-8 years of experience in related discipline
22	Software Engineer V	<p>Designs, modifies, develops, writes and implements software programming applications/operating systems. Also, coordinates work teams. Provides technical support to project team members. Requires a bachelor's degree in area of specialty and at least 8-10 years of experience in the field or in a related area. Demonstrates expertise in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May provide consultation on complex projects and is considered to be the top level contributor/specialist. A wide degree of creativity and latitude is expected. May report to an executive or a manager.</p>	Master degree or equivalent and 8-12 years of experience in related discipline
23	Software Engineering Manager	<p>Manages a team of software engineers that architect and design enterprise software products and operating systems. Writes product requirement documents, implements and tracks development timelines, and negotiates feature sets with the development leads and product teams. Requires a bachelor's degree in a related area and at least 7 years of experience in software development. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports</p>	Master degree or equivalent and 12-15 years of experience in related discipline

		to a head of a unit/department.	
24	Hardware Engineer I	Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 0-2 years of experience in related discipline
25	Hardware Engineer II	Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree in area of specialty and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 2-4 years of experience
26	Hardware Engineer III	Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree and 5-10 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.	Bachelor's degree or equivalent and 5-10 years of experience in related discipline
27	Hardware Engineering Manager	Plans and directs all aspects of hardware engineering activities within an organization. Ensures all hardware engineering projects, initiatives, and processes are in conformance with organization's established policies and objectives. Reviews and approves testing and QA procedures. Typically requires a bachelor's degree in area of specialty and at least 10-15 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a head of a unit/department.	Bachelor's degree or equivalent and 10-15 years of experience in related discipline
28	Test Engineer I	Interacts with other engineering groups to define, document, analyze, perform, and interpret tests for products, systems, components, or modifications. Identifies functional problems and suggests resolutions. Assists in the definition of internal quality control standards and the maintenance of reliability programs. Analyzes test cases and provides regular progress reports. May require a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 0-2 years of specific experience.

29	Test Engineer II	Interacts with other engineering groups to define, document, analyze, perform, and interpret tests for products, systems, components, or modifications. Identifies functional problems and suggests resolutions. Assists in the definition of internal quality control standards and the maintenance of reliability programs. Analyzes test cases and provides regular progress reports. May require a bachelor's degree in area of specialty and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 2-5 years of specific experience.
30	Test Engineer III	Interacts with other engineering groups to define, document, analyze, perform, and interpret tests for products, systems, components, or modifications. Identifies functional problems and suggests resolutions. Assists in the definition of internal quality control standards and the maintenance of reliability programs. Analyzes test cases and provides regular progress reports. May require a bachelor's degree and 4-6 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 5-10 years of specific experience.
31	Electronics Technician I	Constructs, maintains, and tests electrical systems and components. Uses measuring and diagnostic tools to test and modify electronic parts. Ensures systems and components meet established specifications. Requires a high school diploma or its equivalent. May be required to complete an apprenticeship and/or formal training in area of specialty. May require 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.	High school diploma and 0-2 year of general experience; associate's degree desired for higher end work.
32	Electronics Technician II	Constructs, maintains, and tests electrical systems and components. Uses measuring and diagnostic tools to test and modify electronic parts. Ensures systems and components meet established specifications. Requires a high school diploma or its equivalent. May be required to complete an apprenticeship and/or formal training in area of specialty. May require 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Associate's degree or equivalent and 2-5 years of general experience; Bachelor's degree desired for higher end work.
33	System Administrator I	Installs new software releases and system upgrades, evaluates and installs patches, and resolves software related problems. Performs system backups and recovery. Maintains data files and monitors system configuration to ensure data integrity. May require a bachelor's degree in a related area with at least 2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a project leader or manager.	May require bachelor's degree or equivalent and 2-4 years of specific experience.

34	System Administrator II	Installs new software releases and system upgrades, evaluates and installs patches, and resolves software related problems. Performs system backups and recovery. Maintains data files and monitors system configuration to ensure data integrity. May require a bachelor's degree in a related area and 3-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a project leader or manager.	Bachelor's degree or equivalent and 3-5 years of specific experience.
35	System Administrator III	Responsible for the installation, configuration and maintenance of the organization's NT operating systems and all related systems or software. Analyzes and resolves problems associated with server hardware/software and applications software and ensures scalability and appropriate integration with other systems. Detects, diagnoses, and reports NT related problems on both NT server and NT desktop systems. Responsible for backup or recovery procedures. May require a bachelor's degree or its equivalent and 3-5 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 3-5 years of specific experience.
36	Technical Writer	Author for all user facing technical documentation. Liaises with development and deployment teams to gather all documentation requirements, and author intuitive, easy to follow user and installation guides. May require a bachelor's degree or its equivalent and at minimal experience. Should be very familiar with technical authoring software applications and methodologies, and be very computer literate. Typically reports to a product manager or development lead.	Bachelor's degree or equivalent and 0-3 years of general experience.
37	Configuration Management Specialist	Analyzes changes of product design to determine the effect on the end product design and function and determines and prepares documentation necessary for change. Coordinates with customers and manufacturers to determine a process for change reporting. Reviews released engineering change data and changes documenting activities to ensure adherence to configuration management procedures and policies. Typically requires at least a bachelor's degree in area of specialty and 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor.	Bachelor's degree or equivalent and 2-5 years of general experience.
38	Geospatial Analyst I	Utilizes Geographic Information System techniques to provide a better understanding of certain variables in a given geographic location. Extracts data from GIS software and uses varying analysis methods to arrive at results. Recommends appropriate reactionary strategies in response to GIS analysis. Provides maps and data sets to clients to supplement analysis. Knowledgeable of GIS software and technology. Works in conjunction with CADD drafters and technicians. Requires a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform.	Bachelor's degree or equivalent and 0-2 years of experience in related discipline

39	Geospatial Analyst II	Utilizes Geographic Information System techniques to provide a better understanding of certain variables in a given geographic location. Extracts data from GIS software and uses varying analysis methods to arrive at results. Recommends appropriate reactionary strategies in response to GIS analysis. Provides maps and data sets to clients to supplement analysis. Knowledgeable of GIS software and technology. Works in conjunction with CADD drafters and technicians. Requires a bachelor's degree in area of specialty and 2-3 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 2-3 years of experience in related discipline
40	Geospatial Analyst III	Utilizes Geographic Information System techniques to provide a better understanding of certain variables in a given geographic location. Extracts data from GIS software and uses varying analysis methods to arrive at results. Recommends appropriate reactionary strategies in response to GIS analysis. Provides maps and data sets to clients to supplement analysis. Knowledgeable of GIS software and technology. Works in conjunction with CADD drafters and technicians. Requires a bachelor's degree in area of specialty and 4-6 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 4-6 years of experience in related discipline
41	Geospatial Analyst IV	Utilizes Geographic Information System techniques to provide a better understanding of certain variables in a given geographic location. Extracts data from GIS software and uses varying analysis methods to arrive at results. Recommends appropriate reactionary strategies in response to GIS analysis. Provides maps and data sets to clients to supplement analysis. Knowledgeable of GIS software and technology. Works in conjunction with CADD drafters and technicians. Requires a bachelor's degree in area of specialty, 7-10 years of experience in the field or in a related area, and may require additional certification. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.	Bachelor's degree or equivalent and 7-10 years of experience in related discipline
42	Geospatial Applications Engineer I	Researches, collects, and reports information on the ability and capacity of company products and competing equipment. Aids in the design and development of equipment and systems, and redesign of existing systems to fulfill the needs of customers. Responsibilities also include providing equipment functionality and capability reports to the sales force, and acting as technical liaison to the sales team. May require a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision.	Bachelor's degree or equivalent and 0-2 years of experience in related discipline
43	Geospatial Applications Engineer II	Researches, collects, and reports information on the ability and capacity of company products and competing equipment. Aids in the design and development of equipment and systems, and redesign of existing systems to fulfill the needs of customers. Responsibilities also include providing equipment functionality and capability reports to the sales force, and acting as technical liaison to the sales team. May require a bachelor's degree in area of specialty and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor.	Bachelor's degree or equivalent and 2-4 years of experience in related discipline

44	Geospatial Applications Engineer III	Researches, collects, and reports information on the ability and capacity of company products and competing equipment. Aids in the design and development of equipment and systems, and redesign of existing systems to fulfill the needs of customers. Responsibilities also include providing equipment functionality and capability reports to the sales force, and acting as technical liaison to the sales team. May require a bachelor's degree in area of specialty and 4-6 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 4-6 years of experience in related discipline
45	Geospatial Applications Engineer IV	Researches, collects, and reports information on the ability and capacity of company products and competing equipment. Aids in the design and development of equipment and systems, and redesign of existing systems to fulfill the needs of customers. Responsibilities also include providing equipment functionality and capability reports to the sales force, and acting as technical liaison to the sales team. May require a bachelor's degree in area of specialty and 6-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager.	Bachelor's degree or equivalent and 6-8 years of experience in related discipline
46	Network Engineer I	Assists in the development and maintenance of network communications. Uses knowledge of LAN/WAN systems to help design and install internal and external networks. Tests and evaluates network systems to eliminate problems and make improvements. Requires a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on experience, and judgment to perform the functions of the job. Works under general supervision. Typically reports to a supervisor.	Bachelor's degree or equivalent and 0-2 years of specific experience.
47	Network Engineer II	Assists in the development and maintenance of network communications. Uses knowledge of LAN/WAN systems to help design and install internal and external networks. Tests and evaluates network systems to eliminate problems and make improvements. Requires a bachelor's degree in area of specialty and 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor.	Bachelor's degree or equivalent and 2-5 years of specific experience.
48	Network Engineer III	Assists in the development and maintenance of network communications. Uses knowledge of LAN/WAN systems to help design and install internal and external networks. Tests and evaluates network systems to eliminate problems and make improvements. Requires a bachelor's degree and at least 5 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager.	Bachelor's degree or equivalent and 5+ years of specific experience.

49	Chief IT Engineer (CE)	The Chief IT Engineer will provide strategic and tactical technical leadership for the development of program requirements, staffing, planning, and execution. The CE will also be expected to liaise with program and project management as well as the customer on a routine basis, to ensure that the technical vision and execution are aligned with the vision and expectations of our customers. The CE is a mentor for a junior technical staff, in all areas of information technology, including but not limited to: computer science, computer vision, embedded computing hardware, hardware/software integration, optics, and photonics. While the PM is responsible for all things project related, the CE is responsible for all things technologically related. The CE owns the technical solution to ensure timely and accurate delivery for expected capabilities and functionality. The CE will be held accountable by Senior Management for the technical delivery on strategic and tactical requirements of our customers and the business.	BA/BS degree in Computer Science, Other Physical Science, and/or Mathematics. Minimum of fifteen years of experience in information technology, robotics, or vision fields.
50	Head of Research and Development (VPRD)	The Head of Research and Development will provide strategic and tactical technical leadership for the development of program requirements, staffing, planning, and execution. The VPRD will also be expected to liaise with program and project management as well as the customer on a routine basis, to ensure that the technical vision and execution are aligned with the vision and expectations of our customers. The VPRD is a mentor for all technical staff, including but not limited to: computer science, computer vision, embedded computing hardware, hardware/software integration, optics, and photonics. The VPRD owns 2d3's technical solutions to ensure timely and accurate delivery of expected capabilities and functionality to internal and external customers. The VPRD will be held accountable by senior management for the technical delivery on strategic and tactical requirements of our customers and the business. Must have a supertative technical ability, and a continuing desire and ability to learn new concepts and technologies. US citizenship required, as well as fluency in written and spoken English.	Doctorate degree in Computer Vision, Minimum of fifteen years of experience in applied computer vision, including direct experience in information technology, robotics, and vision.
51	Program Manager 1 (PGM1)	Provide management and leadership across all program related functions, including management of business, technical, and personnel requirements and timelines. The PGM1 will have ultimate ownership of the success of each program, which may include one to many projects, and be expected to make strategic decisions to ensure a successful result for the program as a whole. The PGM1 will be responsible for recruiting (inside and outside of the organization) to fill the required resources positions, provide mentorship and guidance for team members during the project, and give direction and decisions on key development issues that have significant impact on the delivery of the 2d3 product and solutions. The PGM1 is ultimately responsible for the timely and profitable delivery of programs both internal to our business and external to our customers. Program Managers work closely with Senior Management to ensure that the goals and progress of programs are closely aligned with the goals of the business as a whole. Must have a high level of technical capacity and knowledge of computer science, optics, and vision systems. US citizenship required, as well as fluency in written and spoken English.	BA/BS degree preferably in Computer Science, Other Physical Science, and/or Mathematics. Understanding of IT system capacity and requirements. Minimum of fifteen years of Business or Program Management experience with increasing responsibility and achievement throughout Previous IT or defense experience highly desired.
52	Project Manager 1 (PM1)	Provide management and leadership across all project related functions, including management of technical and personnel requirements and timelines. The Project Manager will have ultimate ownership of the success of a given project, and be expected to make tactical decisions to ensure a successful result. The PM1 will be responsible for recruiting inside and outside of the organization to fill the required resource positions, provide mentorship and guidance for team members during the project, and give direction and decisions on key development issues that have significant impact on the delivery of 2d3 product and solutions. The PM1 is ultimately responsible for the timely and profitable delivery of projects to our customers. Must have a high level of technical capacity. Knowledge of computer science, applied mathematics, optics, and vision systems. US	BA/BS degree preferably in Computer Science, Other Physical Science, and/or Mathematics. Understanding of IT system capacity and requirements. Minimum of seven years of professional Project Management experience with

		Citizenship required, as well as fluency in written and spoken English.	increasing throughout. Previous IT or defense experience desirable.
53	Senior Software Engineer (SSE1)	Responsible for execution and problem solving within the realm of software development to support customer and internal projects and requirements. Working for the Chief IT Engineer, the SSE is directly responsible for the successful planning, development, and delivery of software capabilities in support of the larger vision that is the ultimate deliverable to the customer. This includes software architecture, code development, and debugging. Will regularly consult and liaise with other technical groups in the company, including Hardware Engineering and Senior Management. The Senior Software Engineer 1 will provide technical guidance and leadership to junior members of the software development team. The SSE1 has code review responsibility and for ensuring that code from the development team complies with the corporate policy and standards applied to software development. Experience in real-time computing systems, robotics, and vision systems desirable. US citizenship required as well as fluency in written and spoken English.	BA/BS degree in Computer Science, Other Physical Science, and/or Mathematics. Minimum of ten years experience in Software Development (fifteen years if no BS/BA degree).
54	Senior IT Vision Scientist (SVS1)	Provide leadership and innovation for 2d3 core vision science capabilities. The SVS is a leader in his/her respected field, has been published, and is regarded by their peers as Subject Matter Experts in the field of computer vision. The SVS1 will support 2d3's project teams by providing executable code in support of internal and external development projects as well as vision science algorithms and theory. The SVS1 is a key member of the strategic team and provides foresight and feasibility assessments of new projects and development initiatives. Must have been published in a generally accepted academic trade publication for novel application of vision science theory to a real world problem.	Doctoral degree in Computer Vision. Any corresponding Undergraduate and Master's level degrees should be related to Computer Vision. Minimum of ten years experience of industry experience.

Educational Substitution/Equivalency (i.e., PhD is BS/BA + MS/MA + 2 years or BS/MA + 4 years):

- GED or vocational degree = high school diploma
- AS/AA degree = two (2) years general experience
- BS/BA = 4 years general experience
- MS/MA = 2 years general experience
- Ph.D. = 2 years general experience

SubSIN Descriptions

FPDS Code D307 Automated Information Systems Design and Integration Services Customers are provided with services related to the integration of computer vision technologies and software with new or legacy computer and information systems. Many times, this reaches forward into the design phase of a program, where critical decisions need to be made to enable the use of the technology. The services are primarily delivered by our senior staff members, including program and project managers, engineers, and scientists.

FPDS Code D308 Programming Services

Customers have needs that are different from the core capabilities of our 'off the shelf' software. These customers usually engage us to develop custom functionality to meet their needs. 2d3 provides these customers with services relating to the custom development (programming) of software applications to meet their detailed needs. These projects can range in duration from a few months to several years, depending on the scope and nature of the work to be performed. Work under this code involves the contributions of all of our labor codes, with the majority of labor accomplished by our middle and junior level resources in Program and Project Management, Engineering, and Science/Research.

FPDS Code D399 Other Information Technology Services, Not Elsewhere Classified

Sometimes when engaged on a design or programming services contract, it becomes necessary for 2d3 to help a customer test or debug an existing system. 2d3 proposes to perform those services under this code and subSIN. Work on this Code would be performed by mainly Program management and Engineering labor codes.

USA COMMITMENT TO PROMOTE SMALL BUSINESS PARTICIPATION PROCUREMENT PROGRAMS

PREAMBLE

2d3 Sensing provides commercial products and services to ordering activities. As the Original Equipment Manufacturer (OEM) and sole source of our software products, we do not have any vendors that contribute wares to our final products, and therefore are exempt from the small business contracting plan requirement, per FAR 519.705-2(b)&(d) . That said, we are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT To actively seek and partner with small businesses.

- To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.
- To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.
- To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.
- To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.
- To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.
- To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in ordering activity contracts. To accelerate potential opportunities please contact:

Danny Proko
VP, Business Development
US Government and Defense Business Unit
t. (949) 540-0741
danny.proko@2d3sensing.com

BEST VALUE BLANKET PURCHASE AGREEMENT FEDERAL SUPPLY SCHEDULE

In the spirit of the Federal Acquisition Streamlining Act (ordering activity) and **2d3 Sensing** enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s) GS-35F-0092X.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Signatures

_____	_____	_____
Ordering Activity	Date	Contractor
	Date	

BPA NUMBER _____

2d3 Sensing BLANKET PURCHASE AGREEMENT

Pursuant to GSA Federal Supply Schedule Contract Number(s), Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (ordering activity):

- (1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER	*SPECIAL BPA DISCOUNT/PRICE
_____	_____
_____	_____
_____	_____

- (2) Delivery:

DESTINATION	DELIVERY SCHEDULES / DATES
_____	_____
_____	_____
_____	_____

- (3) The ordering activity estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

- (4) This BPA does not obligate any funds.

- (5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

- (6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE

POINT OF CONTACT

- (7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.
- (8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:
- (a) Name of Contractor;
 - (b) Contract Number;
 - (c) BPA Number;
 - (d) Model Number or National Stock Number (NSN);
 - (e) Purchase Order Number;
 - (f) Date of Purchase;
 - (g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and
 - (h) Date of shipment.
- (9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.
- (10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract. Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors. Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer’s needs, or –
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.